

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. – 21. (Canceled).

22. (New) An electronic switching system for connecting electronically a common source of voltage (U_e) to a chosen user station selected from a plurality of user stations connected in parallel; the system comprising a plurality of identical cells equal to the number of user stations, each cell corresponding to one user station, wherein each cell comprises a first electronic device for rectification of alternating and direct line current through the cell and for electronic separation of a ground of said each cell from respective grounds of other ones of said cells, a second electronic device to connect a respective corresponding user station to the common source of voltage, and a device for providing an automatic blocking command comprising a plurality of optical photo couplers each associated with one of the cells not corresponding to the chosen user to maintain separation of the different grounds of the cells and to control blocking of electronic connection of user stations other than the chosen station to the common source of voltage, whereby upon connection of the chosen user station to the common source of voltage, flow of restored continuous current through the photodiodes in the cell corresponding to the chosen station saturates corresponding phototransistors located in cells not corresponding to the chosen user station which in turn block ballast transistors located in said cells not corresponding to the chosen user station, thereby blocking the connection of user stations other than the chosen station to the common voltage source.

23. (New) An electronic switching system according to claim 22, wherein there is a default user station that is normally the chosen user station

24. (New) An electronic switching system according to claim 22, wherein each cell further includes;

a device for filtering a signal and restoration of a command voltage supply; and

a device for determination of a response time of the cell.

25. (New) An electronic switching system according to claim 24, wherein the optical couplers of each cell are electrically connected in series.

26. (New) An electronic switching system according to claim 24, wherein the optical couplers of each cell are electrically connected in parallel

27. (New) An electronic switching system according to claim 24, wherein a response time is determined by a circuit in each cell containing at least one resistor and at least one capacitor.

28. (New) An electronic switching system according to claim 23, wherein the cell for a default user station has a response time lower than response times of the other cells.

29. (New) An electronic switching system according to claim 28, in which at least one of the cells includes a switch in parallel with a resistor, and when the switch is closed the cell of user station becomes the default user station.

30. (New) An electronic switching system according to claim 22, wherein the means for rectification of alternating and direct line current through the cell and also for electronic separation of its ground from the other grounds of the remaining cells is a bridge of four diodes.

31. (New) An electronic switching system according to claim 22, wherein the means for rectification of alternating and direct line current through

the cell and for electronic separation of its ground from the other grounds of the remaining cells is a bridge of two diodes and two thyristors.

32. (New) An electronic switching system according to claim 22 wherein said second electronic device includes a command transistor which, when conductive causes a connection transistor to become conductive, causing line current to flow through the means for rectification of alternating and direct line current through the cell and also for the electronically separation of its ground and through the means for filtering the line signal, causing the electrical connection of the chosen user station with the source of voltage.

33. (New) An electronic switching system according to claim 32, in which a base of the command transistor is connected with a ground by a switch normally open, the switch when closed blocking the electronic connection of the associated station with the source of voltage.

34. (New) An electronic switching system according to claim 33, wherein the switch that is normally open can be manually closed.

35. (New) An electronic switching system according to claim 24, wherein the means for determination of the response time of the cell includes a trigger circuit which determines a response time of blocking the activation of the means for command of disconnection.

36. (New) An electronic switching system according to claim 35, wherein the trigger circuit is controlled by a charging and a discharging of a capacitor.